

IN THE CLAIMS:

Please cancel claims 5-11, 23-28, without prejudice.

1. (Original) A method of making a device comprising:  
forming two electrodes;  
creating an electric field between the two electrodes; and  
forming a waveguide between the two electrodes in the presence of the electric field.
2. (Original) The method of claim 1, wherein the two electrodes are lithographically-defined on a substrate.
3. (Original) The method of claim 2, wherein the waveguide comprises an organic crystal material.
4. (Original) The method of claim 3, wherein the organic crystal material comprises an organic molecule comprising:  
a doner portion, and  
an acceptor portion coupled to the doner portion via a conjugated backbone.
- 5 – 11. (Canceled)
12. (Original) A method of making an electro-optic modulator comprising:  
forming two electrodes on a substrate;  
depositing a dielectric layer at least partially between the two electrodes;  
creating an electric field between the two electrodes;  
forming a waveguide over the dielectric layer in the presence of the electric field;  
and

depositing a top cladding over the waveguide.

13. (Original) The method of claim 12 further comprising:  
polishing the waveguide prior to depositing the top cladding.
14. (Original) The method of claim 13 further comprising:  
polishing the waveguide down to a top surface of the two electrodes.
15. (Original) The method of claim 12, wherein forming of the waveguide further comprises:  
growing a crystal by a controlled cooling of a melt .
16. (Original) The method of claim 15, wherein the crystal comprises an organic molecule comprising a donor, an acceptor, and a conjugated backbone.
17. (Original) The method of claim 12, wherein forming of the waveguide further comprises:  
growing a crystal by controlling a rate of evaporation of a solution.
18. (Original) The method of claim 17, wherein the crystal comprises an organic molecule comprising a donor, an acceptor, and a conjugated backbone.
19. (Original) The method of claim 12, wherein forming of the waveguide further comprises:  
aligning dipole moments of the waveguide with the electric field as the waveguide crystallizes.

20. (Original) The method of claim 12 further comprising:  
applying a voltage to the two electrodes to modulate a light signal in the waveguide.

21. (Original) A method of changing a phase of an optical signal in an electro-optic modulator comprising two electrodes and an organic crystalline waveguide situated between the two electrodes, the organic crystalline waveguide having dipole moments substantially aligned in a common orientation, the method comprising:  
introducing the optical signal into the organic crystalline waveguide; and  
applying a voltage to the two electrodes.

22. (Original) The method of claim 21, wherein applying the voltage to the two electrodes changes a refractive index of the organic crystalline waveguide.

23 - 28. (Canceled)